

PROPOSAL PAMPHLET

FOR

**ENGLER AVE. AND HIGHWAY 95,
CO. 15TH AND AVENUE A &
CO. 11TH AND SOMERTON AVE.**



JANUARY 2018

INCLUDES

**REQUEST FOR PROPOSALS
SCOPE OF WORK
PROPOSAL GUIDELINES
LOCATION MAPS**

**YUMA COUNTY
DEPARTMENT OF DEVELOPMENT SERVICES
ENGINEERING DIVISION**

REQUEST FOR PROPOSALS

- 1) ENGLER AVE. AND HIGHWAY 95
Traffic Signal Design**
- 2) CO. 15TH AND AVENUE "A"
Evaluation of a Traffic Signal vs. Roundabout**
- 3) CO. 11TH & SOMERTON AVE.
Design Concept Report**

The Yuma County Department of Development Services is seeking professional services from qualified Engineering Consultants to prepare the following:

1. A Traffic Signal Design for the intersection of Engler Avenue & Highway 95. The consultant will be required to prepare a complete design for the project.
2. An evaluation of a Traffic Signal vs. Roundabout at Intersection of Co. 15th & Avenue A, The consultant will be required to prepare a feasibility study comparing both options and recommend an alternative.
3. A design concept report with three alternatives including a roundabout as an alternative to solve traffic control issues at an offset intersection of Co. 11th & Somerton Avenue.

Proposals will be received until **4:00 p.m. M.S.T. on February 16, 2018** at the Yuma County Department of Development Services, 2351 W. 26th Street, Yuma, Arizona 85364.

The request for proposal package may be obtained from the address stated above or by calling (928) 817-5090, also online at <http://www.yumacountyaz.gov/RFP>

The County reserve the right to reject any and all proposals.

Yuma County Department of Development Services

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Roae'r A. Patterson, P.E., County Engineer

PROPOSAL PACKAGE

- 1) **ENGLER AVE. AND HIGHWAY 95 (CIP #1.9915-E95)
Traffic Signal Design**
- 2) **CO. 15TH AND AVENUE "A" (CIP #1.9915-A15)
Evaluation of a Traffic Signal vs. Roundabout**
- 3) **CO. 11TH & SOMERTON AVE. (CIP #1.1505)
Design Concept Report**

REQUEST FOR PROPOSALS

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I. SCOPE OF WORK

A. GENERAL PROJECT INFORMATION

OBJECTIVE

To provide the County of Yuma with the following:

1) ENGLER AVE. AND HIGHWAY 95 Traffic Signal Design

To provide the County of Yuma with a complete engineered construction plans, drainage report, survey and mapping, material investigation and pavement design, environmental studies and clearance, utilities location, attend public meetings as necessary, and estimate of cost and other associated items for a complete project design ready for construction. In the process of providing these services, field surveys, geotechnical and field investigation, mapping, a design report, right-of-way acquisition, legal descriptions and exhibits, easement requirement and other work as described herein and as necessary are to be performed by the Consultant.

It is Yuma County's desire to implement a traffic signal at the mentioned intersection. In addition provide the following:

- Install a Traffic Signal, include street lighting fixtures in all four corners.
- Include separate "Protected Only Left-Turn Arrow Phases for East Bound and Westbound Highway 95 traffic".
- The signal should include widening the northbound and southbound approaches to include left turn lanes.
- Add raised curbing as necessary to all legs to control access to the intersection.
- At the time that new signal is activated, install a NO LEFT TURN signs for the northbound exit from gas station's east driveway onto Highway 95 traffic.

2) CO. 15TH AND AVENUE "A" Evaluation of a Traffic Signal vs. Roundabout

Phase 1 The Consultant will provide a feasibility study comparing both alternatives, with preliminary conceptual plans, additional specific work services may include survey, utilities (private & public) location, attend public meetings as necessary, and estimate of cost comparing both options, and other associated items for the project. In the process of providing these services, field surveys, a design report, right-of-way and easement requirements and other work as described herein and as necessary are to be performed by the

Consultant. The Consultant will also be required to present an Executive Summary to the Board of Supervisors if the recommended alternative is a Roundabout, detailing the proposed improvement to alter the existing intersection configuration with an alternative geometry that would allow for the safe movement of traffic through the intersection.

Phase 2 Complete construction plans, specifications, cost estimate and post design services to upgrade County 15th Street and Avenue A to the selected alternative. If Yuma County wishes to proceed with Phase 2, it will be directed as a change order to Phase 1.

3) CO. 11TH & SOMERTON AVE. Design Concept Report

Phase 1 The consultant shall provide three different geometric roadway designs in terms of traffic, right-of-way, roadway storm drainage and traffic control including a roundabout as an alternative. Recommendations to these alternatives will be provided, including alignment for all approaches, right-of-way requirements, recommended pavement structural section and left and right turn lanes. It is the intent of this project to consider the drain, canal, existing homes and business. The Consultant will provide a Design Concept Report (DCR) with 3 alternatives including a roundabout as an alternative, preliminary conceptual plans, survey, utilities (private & public) location, attend public meetings as necessary, and estimate of cost and other associated items for all 3 alternatives. In the process of providing these services, a traffic study, a design report, right-of-way and easement requirements and other work as described herein and as necessary may be required to be performed by the Consultant. The Consultant will also be required to present an Executive Summary to the Board of Supervisors detailing the recommended improvements. The County has prepared preliminary evaluations for consideration. An Aerial topographic survey has also been completed. Additional field surveys maybe necessary to supplement this work depending on the alternative selected.

Phase 2 Complete construction plans, specifications, cost estimate and post design services to upgrade County 11th Street and Somerton Avenue to the selected alternative. If Yuma County wishes to proceed with Phase 2, it will be directed as a change order to Phase 1.

AGENCY

The Yuma County Department of Development Services is the Agency sponsoring this project and the one who will be contracting for the work. All liaison and correspondence will be between the consultant and Yuma County Development Services.

SUBCONSULTANT AND ASSOCIATES

Any subconsultants or associates proposed to perform services on this project must be listed and made a part of the Consultant's proposal.

COMPENSATION AND INSURANCE

A fee is to be negotiated after a selection has been made. Subsequent to the selection of the consultant, an Agreement is to be executed by and between the consultant and Yuma County. This Agreement will include the fee provisions, payment period, insurance, etc. Periodic payment for work will be made after elements of work are completed. Yuma County will require public liability insurance \$1,000,000 single limit (including auto), property damage \$300,000/each occurrence (including auto) and professional liability (errors and omissions).

PROJECT DOCUMENTS

All documents including field investigation reports and notes, field survey notes, photographs, video tapes, mapping, hydrology report, hydraulic analyses, geotechnical and design reports, right-of-way maps and descriptions, engineering calculations, original plans, cost estimates, meeting notes and minutes, computer runs, reference information supplied by Yuma County and all other information generated by the Consultant for this project are to be property of Yuma County and are to be delivered to Yuma County before final payment.

QUALITY CONTROL

The Consultant has total responsibility for the accuracy and completeness of all plans, studies and related designs prepared under this project and shall check all such material accordingly. The consultant shall have an Approved Quality Control Plan in effect during the entire time work is being performed under the contract. The plan shall establish a process whereby calculations are independently checked, plans checked, corrected and back-checked. All plans, calculations, and documents submitted for review shall be clearly marked as being fully checked by a qualified individual other than the originator.

PROJECT RELATED CORRESPONDENCE

The Consultant shall furnish copies of all written correspondence between the Consultants and his Subconsultants and any party pertaining specifically to this project to the County for their records within one (1) week of the receipt or mailing of said correspondence. The Consultant is not to submit plans to utilities or agencies when it is for relocation, approval or requesting permits. Yuma County will handle this work, with plans and information provided by the Consultant. It will be up to the Consultant to provide the County with all necessary sketches, plans and whatever is required by the agency or utility to obtain approval, relocations and permits.

QUESTIONS

Any questions about the proposal can be directed to Mr. Sami Ayoub, PE, CIP Branch Manager (928) 817-5121.

B. PROJECT INFORMATION

GEOGRAPHIC AREA

1) ENGLER AVE. AND HIGHWAY 95

The project area is located on the northeast edge of the metropolitan area on Hwy 95. The Yuma Metropolitan Planning Organization (YMPO) has classified Highway 95 as a Rural Principal Arterial and Engler Avenue as a minor collector street. Highway 95 traffic flows east and west with a posted speed limit of 45 mph.

See attached Exhibit A for Project map.

2) CO. 15TH AND AVENUE A

The intersection resides in the Yuma Mesa, one mile east of Highway 95 on County 15th street and one mile south of City of Yuma limits. This area of Yuma County is primarily rural farmland. The specific intersection is bounded by farmland on all four legs. The Yuma Metropolitan Planning Organization (YMPO) has classified County 15th street as an Urban Principal Arterial and Avenue A as an Urban Collector.

See attached Exhibit B for Project map.

3) CO. 11TH & SOMERTON AVE.

This offset Intersection is located one mile and a half west of City of Yuma metropolitan

area and 4 miles north on Somerton Avenue of City of Somerton limits. The Yuma Metropolitan Planning Organization (YMPO) has classified County 11th street has a Rural Major Collector and Somerton Avenue as an Urban Minor Arterial. See attached Exhibit C for Project map.

EXISTING SITE

1) ENGLER AVE. AND HIGHWAY 95

The intersection is an urban four-approach intersection, the closest traffic signals are located one quarter mile to the west at Pacific Avenue, and three quarters of a mile to the east at Avenue 3E. Land use is light industrial and commercial at this location

At the intersection, Highway 95 functions as an east-west five-lane undivided major arterial with two lanes in each direction, and a striped center two-way left-turn lane. The speed limit on Highway 95 is posted at 45 mph. Engler Avenue is a two-lane minor collector road, with a roadway width of 26 to 28 feet. The speed limit at the intersection is 25 mph, but changes to 35 mph one quarter mile south of the intersection. The intersection is controlled by a two-way stop control on both approaches of Engler Avenue. No street lighting is present. A single row of 36-inch yellow flex post is located on the centerline of the south leg for a distance of 50 feet south of the stop bar.

2) CO. 15TH AND AVENUE A

This intersection is a rural four-leg approach intersection, and is located in an area that has experienced growth to its surrounding areas in the past couple of years. Avenue A serving as a two-lane north-south undivided Arterial with one lane in each direction. Both approaches have only one lane approaching the intersection, without left or right turn lanes. County 15th Street is an east-west row-lane undivided arterial, also consisting of one lane each direction. Intersection is controlled by 4-way stop signs. Speed limit is 50 mph East of intersection, and 45 mph North, South and West of intersection.

The land surrounding this project area is primarily used for agriculture, an existing concrete irrigation canal runs east-west just south of County 15th street, which is used to irrigate the surrounding fields.

3) CO. 11TH & SOMERTON AVE.

This intersection is a Rural-Urban four-leg approach offset intersection, Somerton Avenue is a two-lane rural road with a left-turn lane on the north leg of intersection. County 11th Street consists also of a two-lane road with a left-turn lane on the east leg. Intersection is controlled by a 2-way stop sign on both approaches of County 11th Street. No street lighting is present.

Surroundings on this intersection are mainly urban residential with a commercial property on the southwest portion, the USBR Main Drain maintained & operated by Yuma County

Water Users Assoc. crosses intersection on southeast-northwest direction, and North of drain Miller canal runs parallel to it.

AVAILABLE DATA

The following information is available to review at the County Engineer's office:

1) FOR ENGLER AVE. AND HIGHWAY 95:

1. Traffic signal warrant analysis by Albert G.Letzkus.
2. Any accident information that the County has of record.
3. Traffic counts by YMPO
4. Assessor parcel maps of the area & title reports.
5. Improvement plans and plats from adjacent subdivisions

2) FOR CO. 15TH AND AVENUE "A":

1. Traffic signal warrant analysis by Yuma County DDS Staff.
2. Any accident information that the County has of record.
3. Traffic counts by YMPO
4. Assessor parcel maps of the area & title reports.
5. Improvement plans and plats from adjacent subdivisions

3) FOR CO. 11TH & SOMERTON AVE.:

1. Record of Survey by James Davey and Associates.
2. Aerial Topographic Survey by James Davey and Associates.
3. Any accident information that the County has of record.
4. Traffic counts by YMPO
5. Assessor parcel maps of the area & title reports.
6. Improvement plans and plats from adjacent subdivisions
7. Four preliminary options

APPLICABLE STANDARDS

This project will be designed to Yuma County Standards except that traffic signals must be designed to Arizona Department of Transportation (ADOT) latest standards and guidelines.

ESTIMATED CONSTRUCTION COST

For preliminary planning purposes, the estimated total construction cost for all three intersections is around \$870,000.

C. PROJECT DEFINITION

1) ENGLER AVE. AND HIGHWAY 95:

The specific objective of this project is to provide engineering construction plans for Traffic Signal for Highway 95 and Engler Avenue and redesign intersection to include turn lanes. The intent is to keep the existing posted speed limit throughout the intersection. Work to be performed by Consultant are as follows:

1. Surveys and Mapping: The Consultant will provide all topographic survey data required for design of the project. The consultant will establish horizontal and vertical control necessary for the project.
2. Roadway & Traffic signal design to include signal timings to ADOT standards.
3. Drainage design.
4. Stripping and Signing Design.
5. Coordinate with all utility companies.
6. Attend public meetings as necessary. (Minimum one)
7. Prepare all new right-of-way acquisition maps and legal descriptions, for the County's use in acquisition of new parcels.
8. Prepare construction cost estimate.
9. Prepare special provisions.
10. Post design services.

2) CO. 15TH AND AVENUE A:

The project consists on providing an Evaluation of a Traffic Signal and a Roundabout at this intersection, the purpose of this project is to evaluate both alternatives in terms of traffic, right-of-way, construction costs, and drainage. Recommendations will be provided including a preferred alternative, right-of-way requirements, recommended pavement structural section, street cross sections and storm sewer handling. Work to be performed by Consultant are as follows:

1. Feasibility Study:
 - a. Prepare and evaluate two alternatives, Traffic signal against a Roundabout.
 - b. Determine required road cross-section for all road junctions.
 - c. Evaluate alternatives and make recommendations.

- d. Recommend traffic intersection improvement for Intersection
2. Surveys and Mapping: The Consultant will provide all topographic survey data required for design of the project. The consultant will establish horizontal and vertical control necessary for the project pursuant to Arizona Revised Statutes.
3. Environmental studies and clearance.
4. Attend public meetings as necessary.
5. Prepare all new right-of-way parcel maps and legal descriptions, for the County's use in acquisition of new parcels.
6. Prepare construction cost estimate for both options.
7. Coordinate with all utility companies, Yuma Mesa irrigation District, Bureau of Reclamation, YMPO and School Districts.
8. Upon approval and acceptance of Phase I, the consultant may be authorized to proceed with Phase 2 of the design of the intersection, and if necessary traffic signals or Roundabout.
9. Prepare special provisions.
10. Post design services.

3) CO. 11TH & SOMERTON AVENUE:

The project consists of studying and recommending improvements needed at this offset intersection. The purpose of this project is to evaluate alternatives in terms of traffic, intersection alignment, right-of-way, and drainage. A minimum of three alternatives are to be provided including a Roundabout as an option. Along with right-of-way requirements, recommended pavement structural section, street cross sections and storm sewer handling. Improvements will possibly include the installation of street lights. Surveying, environmental (as required) and a geotechnical investigation will be a part of the work performed.

1. Concept Design Report.
 - a. Prepare and study right-of-way maps.
 - b. Evaluate three alternatives to include a roundabout as an alternative.
 - c. Recommend a preferred alternative.
2. Surveys and Mapping: The Consultant will supplement the existing topographic survey data required for design of the project. The consultant will establish horizontal and vertical control necessary for the project.
3. Environmental studies (as necessary)
4. Attend public meetings (as necessary)
5. Prepare all new right-of-way acquisition maps and legal descriptions, for the County's use in acquisition of new parcels.
6. Prepare construction cost estimate for the three alternatives.

7. Coordinate with all utility companies, Yuma County Water Users Association, YMPO and School Districts.
8. Upon approval and acceptance of the selected alternative of Phase I, the consultant may be authorized to proceed with Phase 2 of the design of the intersection.
9. Prepare special provisions.
10. Post design services.

D. DESCRIPTION OF WORK ELEMENTS

The following is a description of the minimum work to be performed.

FIELD INVESTIGATION

Perform all necessary field investigation and traffic counts that need to be done to verify and confirm compatibility and use in the traffic study design.

FIELD SURVEYING

Complete all additional field surveying, provide horizontal and vertical control necessary for the project, provide maps and legal descriptions if necessary and required easement and right-of-ways, for engineering plan preparation and for baseline control and bench mark data including bench mark circuits, topographic surveys, cross sections, and detailed surveys for proposed improvements. Benchmarks are to be in accordance with the Arizona Revised Statutes Title 33 and based on USGS datum NAVD 88 and NAD83.

GEOTECHNICAL INVESTIGATION

A geotechnical investigation shall be performed to determine soil properties for design. The results of the geotechnical investigation shall be contained in the Geotechnical Report. The geotechnical investigation shall include all necessary laboratory testing of materials for design purposes.

DESIGN CONCEPT REPORT (DCR) OR FEASIBILITY STUDY (FS)

Provide a DCR that includes all design notes, sketches, work sheets, and computations to document the design conclusions reached during the development of the project. Covering all disciplines including geotechnical, civil, structural, electrical, mechanical and others as necessary.

The design notes and computation shall be recorded on 8½" x 11" computation sheets,

appropriately titled, numbered, dated, indexed and signed by the designer and checker. Computer output forms and other oversized sheets shall be folded or legibly reduced to 8½" x 11" size. The data shall be bound.

Two copies of the design notes and computations shall be submitted to the County with each review submittal. When the plans are submitted for final review, the design notes and computations corrected for any County comments shall be resubmitted. At the project completion a final set of the design notes and computations, sealed by a Professional Engineer, registered in the State of Arizona, shall be submitted.

Design notes and calculations shall include, but are not necessarily limited to, the following data:

- a) Traffic counts including traffic signal warrant studies
- b) Field survey notes and computations.
- c) Design criteria used for all aspects of the project.
- d) Geometric design calculations (horizontal) alignment (including intersection sight distance "sight triangles"
- e) Vertical geometry calculations.
- f) Right-of-way calculations (including easements).
- g) Calculations of quantities.
- h) Cost estimates.
- i) Studies of proposed street widening.
- j) Storm water design.

UTILITIES AGENCIES AND RELOCATIONS

The Consultant shall obtain all available existing utility mapping and identify all utilities within the general project limits to determine potential conflicts and relocations. Where a potential conflict exists, make arrangement to expose ("pothole") the utility and to provide horizontal and vertical location of the exposed utility with respect to established datum. The consultant shall provide for 10 potholes within this project scope of work. Any additional potholing that is required shall be added to the contract by change order. The Consultant shall coordinate this effort with the involved utility company. All existing utilities shall be shown on the appropriate construction plans.

The Consultant through the County shall submit plans to all affected utilities and agencies, and all comments received from agencies shall be reviewed by the County and addressed by the Consultant. The plans will not be considered complete until all required revisions have been completed and all approvals and permits obtained.

In the case where utilities are to be relocated by the interested utility involved, the Consultant shall provide all data as required and shall be available for discussions and

meetings with utility officials and other appropriate agencies.

In the case where utilities will need to be relocated and the interested utility requires that the County prepare the utility relocation plan, the Consultant shall prepare the relocation plan and include the reproducible drawings as part of the project plans. If the Consultant is required to prepare utility relocations plans the work will be added to the contract by change order.

YUMA COUNTY WATER USERS ASSOCIATION / YUMA MESA IRRIGATION DISTRICT/ BUREAU OF RECLAMATION:

Close coordination with the irrigation district and Bureau of Reclamation is essential to facilitate this project. Yuma County has on file surveys identifying the location, size and type of irrigation pipes. However, the district have other utilities in the area that will need to be identified.

RIGHT-OF-WAY AND EASEMENTS

For roadway, intersection and storm drainage:

- a) The Consultant shall determine the required area needed for right-of-way and/or easements. For each parcel to be acquired the Consultant shall prepare a right-of-way parcel map with legal description (preferably on the same page). A complete metes and bounds description or lot and block description (as appropriate), will be required for each parcel affected, including the actual area of taking.

The Consultant shall determine the necessity for temporary construction easements and permanent easements. If easements are required, the Consultant shall prepare right-of-way map for easements as indicated above. Right-of-way maps shall identify the type of easement, and legal descriptions for each, as applicable.

- b) The Consultant shall create a map showing properties that will be required for the proposed widening of the streets in the study area and prepare a preliminary cost estimate for the purchase of these properties (not a traditional market valuation appraisal).

ENGINEERED CONSTRUCTION PLANS

The engineering drawings shall be prepared in reproducible Mylar 24 inches by 36 inches in size. The drawings shall include, but not necessarily limited to the following:

Cover or Title Sheet (provided by County).

Location and Vicinity Sheet including index to drawings and legend.
Site Plans showing existing topography, soil boring logs and demolition.
Plan and Profile Sheet. 1" = 20' (for streets and pipe work).
Plan and Profile Sheet. 1" = 50' (for areas of overlay).
Striping and Signing Sheets. Plan 1" = 100'. (MUTCD, ADOT)
Civil Cross Section and Details.
Utility Relocations Sheets (if applicable).
Only Yuma County Standards are to be used for Street drainage improvements and
Arizona Department of Transportation standards for traffic signalization.

SPECIFICATIONS, SPECIAL CONDITIONS & CONTRACT DOCUMENTS

The Consultant will prepare Standard Specifications, as required, Contract and Special Conditions for the three projects. All construction details to be designed and drafted in accordance with the Yuma County Standards. Yuma County Department of Development Services will provide the boilerplate information where applicable.

COST ESTIMATE

- a) For the study area:
The Consultant will provide the potential alignments and comparative cost estimates for construction and right-of-way acquisition of property for the Alternate alignments.
- b) For the intersection and traffic signal. The Consultant shall prepare cost estimates concurrent with each review submittal. The Consultant shall identify options to provide alternative design where applicable. The Consultant shall provide a final cost estimate.

SUBMITTAL AND REVIEWS

1) ENGLER AVE. AND HIGHWAY 95:

Review submittals for the project are scheduled at the 30%, 60%, 95% and 100% completion stages. Four sets of all material are to be provided to the County at each submittal. All drawings and reports are to be stamped and if preliminary, so noted. Additional sets will be required as necessary for the utility submittals.

- a) Submittals for the street intersection study shall be as follows:

Initial submittal work products are to be conceptual plan (10%) and include the following:

Geotechnical Report

- Design Concept Report
- Potential Alignments
- List of any Right-of-Way Conflicts
- Topographic Mapping, Horizontal and Vertical Control
- Tentative Identification of Utility Conflicts & Irrigation District
- Preliminary Cost Estimate

Final Products include:

- Improvement Plans (30%)
- Revised Reports
- Comparison of Alternative Alignments
- Recommended Alignment
- Right-of-Way Requirement for Recommended Alignment
- Revised Cost Estimates for Project
- Executive Summary (Including presentation to Board of Supervisors)

b) Submittals for the intersection traffic control and storm water drainage design shall be as follows:

30% submittal work products are to include:

- Geotechnical Report
- Intersection Analysis Modifications as required
- Topographic Mapping, Horizontal and Vertical Control
- Preliminary Striping and Signing Layout on Plan Sheets
- Preliminary Identification on Right-of-Way Needs
- Tentative Identification of Utility Conflicts
- Preliminary Estimated of Probable Cost
- Environmental Study

60% work products include:

- Revised Reports
- Right-of-Way Requirements
- Revised Estimate of Cost
- Construction Plans

The 95% submittal is to include complete reports, bid packet including the plans and specifications, special provisions, contract documents and cost estimates and submittal to all effected utilities.

After the 95% review by Yuma County, all corrections will be made to the plans by the Consultant. The original documents, as 100% submittal, will then be delivered to the Yuma County, for their use in the bidding phase.

2) CO. 15TH AND AVENUE A:

Review submittals for the project are scheduled at the 30% for Phase 1 and Phase 2 thereafter at 60%, 95% and 100% completion stages. Four sets of all material are to be provided to the County at each submittal. All drawings and reports are to be stamped and if preliminary, so noted. Additional sets will be required as necessary for the utility submittals

PHASE I:

Initial submittal work products are to be conceptual plan (10%) and include the following:

- Geotechnical Report
- Feasibility Study
- Potential Alignments with Recommendations
- List of any Right-of-Way Conflicts
- Topographic Mapping, Horizontal and Vertical Control
- Tentative Identification of Utility Conflicts
- Preliminary Cost Estimate

Final products include:

- Improvement Plans (30%)
- Revised Design Concept Report
- Comparison of Alternative Alignments
- Recommended Alignment
- Right-of-Way Requirement for Recommended Alignment
- Revised Cost Estimates for Project

30% submittal work products are to include:

- Complete Environmental Studies (as may be required)
- Geotechnical Report
- Design Concept Report
- Topographic Mapping, Horizontal and Vertical Control
- Preliminary Stripping and Signing Layout on Plan and Plan Sheets
- Preliminary Identification on Right-of-Way Needs
- Tentative Identification of Utility Conflicts
- Revised Cost Estimate for Project

PHASE 2:

60% work products include:

- Revised Reports
- Right-of-Way Requirements
- Revised Cost Estimate
- Construction Plans including Drainage Plan

The 95% submittal is to include:

- Complete Reports
- Bid Packet, including the plans and specifications
- Special Provisions
- Contract Documents
- Cost Estimates
- Submittal to all effected utilities.

After the 95% review by Yuma County, all corrections will be made to the plans by the Consultant. The original documents, as 100% submittal, will then be delivered to the Yuma County, for their use in the bidding phase.

3) CO. 11TH & SOMERTON AVENUE:

Review submittals for the project are scheduled at the 30% for Phase 1 and Phase 2 thereafter at 60%, 95% and 100% completion stages. Four sets of all material are to be provided to the County at each submittal. All drawings and reports are to be stamped and if preliminary, so noted. Additional sets will be required as necessary for the utility submittals.

PHASE 1

a) Submittals for the street improvement study shall be as follows:

Initial submittal work products are to be conceptual plan (10%) and include the following:

- Geotechnical Report
- Design Concept Report
- Potential Alignments
- List of any Right-of-Way Conflicts
- Topographic Mapping, Horizontal and Vertical Control
- Tentative Identification of Utility Conflicts & Irrigation District
- Preliminary Cost Estimate

Final Products include:

- Improvement Plans (30%)

- Revised Reports
- Comparison of Alternative Alignments
- Recommended Alignment
- Right-of-Way Requirement for Recommended Alignment
- Revised Cost Estimates for Project
- Executive Summary (Including presentation to Board of Supervisors)

b) Submittals for the intersection traffic control and storm water drainage design shall be as follows:

30% submittal work products are to include:

- Geotechnical Report
- Design Concept Report
- Intersection Analysis Modifications as required
- Topographic Mapping, Horizontal and Vertical Control
- Preliminary Striping and Signing Layout on Plan Sheets
- Preliminary Identification on Right-of-Way Needs
- Tentative Identification of Utility Conflicts
- Preliminary Estimated of Probable Cost

PHASE 2

60% work products include:

- Revised Reports
- Final Design Concept Report
- Right-of-Way Requirements
- Revised Estimate of Cost
- Construction Plans

The 95% submittal is to include complete reports, bid packet including the plans and specifications, special provisions, contract documents and cost estimates and submittal to all effected utilities.

After the 95% review by Yuma County, all corrections will be made to the plans by the Consultant. The original documents, as 100% submittal, will then be delivered to the Yuma County, for their use in the bidding phase.

PERIODIC MEETINGS

A minimum amount of meetings with the Yuma County and the Consultant is to include a meeting of project beginning and in conjunction with each of the above review submittal, a review meeting is to be scheduled with the Yuma County to discuss any review comments of schedule requirements for the project. Each review meeting should be set to occur after the Yuma County has completed their review.

PERMITS AND APPROVALS

The Consultant is to provide all submittals to Yuma County. Yuma County will submit plans to all affected agencies, and all comments received from agencies shall be reviewed by the Yuma County and addressed by the Consultant as appropriate. The plans will not be considered complete until all required revisions have been completed and all approvals and permits obtained. This does not include the Consultants effort to located and identify utilities. The Consultant shall submit plans to all utilities and coordinate with any utility companies that have conflicts with the proposed improvements.

ACCEPTANCE OF THE WORK

The reports, bid packet including the plans, and specifications, special provisions, contract documents, cost estimate and all project documents will be considered complete and acceptable after comments have been received from affected utilities and agencies and all required revisions have been completed with all approvals and permits obtained.

At the project completion a final set of reproducible drawings, design notes and computations, sealed by a registered professional engineer, registered in the State of Arizona, shall be submitted.

II. PROPOSAL GUIDELINES

A. SUBMITTAL INFORMATION

Five copies of the proposal are to be submitted in accordance with the request for proposals to the Yuma County Department of Development Services, 2351 W. 26th Street, Yuma, Arizona 85364 and clearly marked "Proposal for Engler Avenue And Highway 95, Co. 15th And Avenue A & Co. 11th And Somerton Avenue Intersections". Proposals are due no later than 4:00 p.m. on February 16, 2018.

B. PROPOSAL CONTENT

Proposals are not to be more than 12 pages (8 ½" x 12") including appendix. Transmittal cover letter shall be a single page and is not included within the 10 page limit. The proposal shall contain the following information to aid in the selection of the best qualified firm:

- a **EXPERIENCE:** Itemize and briefly describe similar projects and work which have been successfully completed by your firm. Describe experience of the professional and technical staff. Include names and phone numbers of client contacts. If subconsultants and/or associates are proposed provide experience information. (15 pts)

- b. **B. QUALIFICATIONS:** Provide name of person who will be in charge of the project, provide names of people who would be doing the majority of the work and provide names of other key personnel that will work on the project. Provide name of any subconsultants and/or associate who would be involved in completing with work. Provide qualifications of all personnel. Provide the availability of proposed team members. (20 pts)
- c. **ISSUES AND OBJECTIVES:** Provide a description of what you see are the project issues and needs and what is necessary to be accomplished to meet the objective. (20 pts)
- d. **PROJECT APPROACH:** Provide a description of how you would approach the project and the scope of work you would intend to perform if awarded the contract. (20 pts)
- e. **TIME:** Provide a time schedule to complete the work, after notice to proceed is issued. (10 pts)
- f. **FAMILIARITY WITH THE PROJECT AREA:** Indicate if you are familiar with the general area and your knowledge of the local conditions applicable to each location. (10 pts)
- g. **ADDITIONAL INFORMATION:** List any other pertinent information you feel would be helpful to us in determining your qualifications. (5 pts)

Note: Any section omitted from your submittal will result in no points being awarded for that section.

C. EVALUATIONS AND SELECTION

A selection panel will be established, will review the written material submitted and select a short list of qualified respondents. The selected firms may be requested to make a presentation of their qualifications to a panel. The panel will then determine the best qualified, the second and third best-qualified firm with its recommendation being forwarded to the Board of Supervisors for approval.

If the County is unsuccessful in negotiating a contract with the best-qualified team, the County may then negotiate with the second or third most-qualified team until a contract is executed, or may decide to terminate the selection process. The unsuccessful firms may be used as a linear list for future work.

D. GENERAL RFP INFORMATION:

Instructions: Yuma County shall not be held responsible for oral instructions. Any changes to this Request for Proposals will be in the form of an addendum, which shall be furnished to all registered Request for Proposal holders.

Any addenda or clarifications will be sent out to those who have registered and obtained this RFP from Yuma County DDS. Firms must register as a Request for Proposal holder at the Yuma County Department of Development Services located at 2351 W. 26th Street, Yuma, AZ 85364, fill out and submit the attached "Receipt Acknowledgement Form" or call **(928) 817-5090** to register by phone.

County Rights: Yuma County reserves the right to reject any or all Statements of Qualifications, to waive any informality or irregularity in any Statement of Qualifications received, and to be the sole judge of the merits of the respective Statements of Qualifications received.

Contact with County Employees: All firms / teams interested in this Project (including the firm's employees, representatives, agents, lobbyists, attorneys, and sub-consultants) shall refrain, under penalty of disqualification, from direct or indirect contract for the purpose of influencing the selection or creating bias in the selection process with any person who may play a part in the selection process, including the evaluation panel, County Elected Officials, the County Administrator, the County Engineer, County Department Heads, and other staff. This policy is intend to create a "level playing field" for all potential firms, assure that contract decisions are made in public and to protect the integrity of the selection process. All contact on this selection process should be addressed to the authorized County representative identified below.

County Representative: All inquiries and questions pertaining to this selection process or contract issues can be directed to Mr. Sami Ayoub, PE, CIP Branch Manager (928) 817-5121, 2351 W. 26th Street, Yuma, AZ 85364, (928) 817-5121.

- E N D -

NOTE: LOCATION MAPS FOR ALL THREE INTERSECTIONS ARE ATTACHED



RECEIPT ACKNOWLEDGEMENT FORM

Project Name: **ENGLER AVE. AND HIGHWAY 95,** CIP No.: 1.9915-E95
CO. 15TH AND AVENUE A & CIP No.: 1.9915-A15
CO. 11TH AND SOMERTON AVE. CIP No.: 1.1505

In order to be placed on the RFP Holder's list and receive notification regarding addenda, respondent[s] must submit this form to:

Yuma County Department of Development Services
Engineering Division
2351 W. 26th Street
Yuma, AZ 85364

Email to: amber.jardine@yumacountyaz.gov

Please use the project name and number in the subject line

The Consultant identified below may have an interest in being selected for the professional services described in the above referenced RFP, and requests notification in the event that any addenda or other notices are published. Ms. Jardine will acknowledge receipt of this form and will attempt to notify RFP holders by email for addendums.

Company's Name: _____

Signature: _____ Date _____

Printed Name: _____ Title: _____

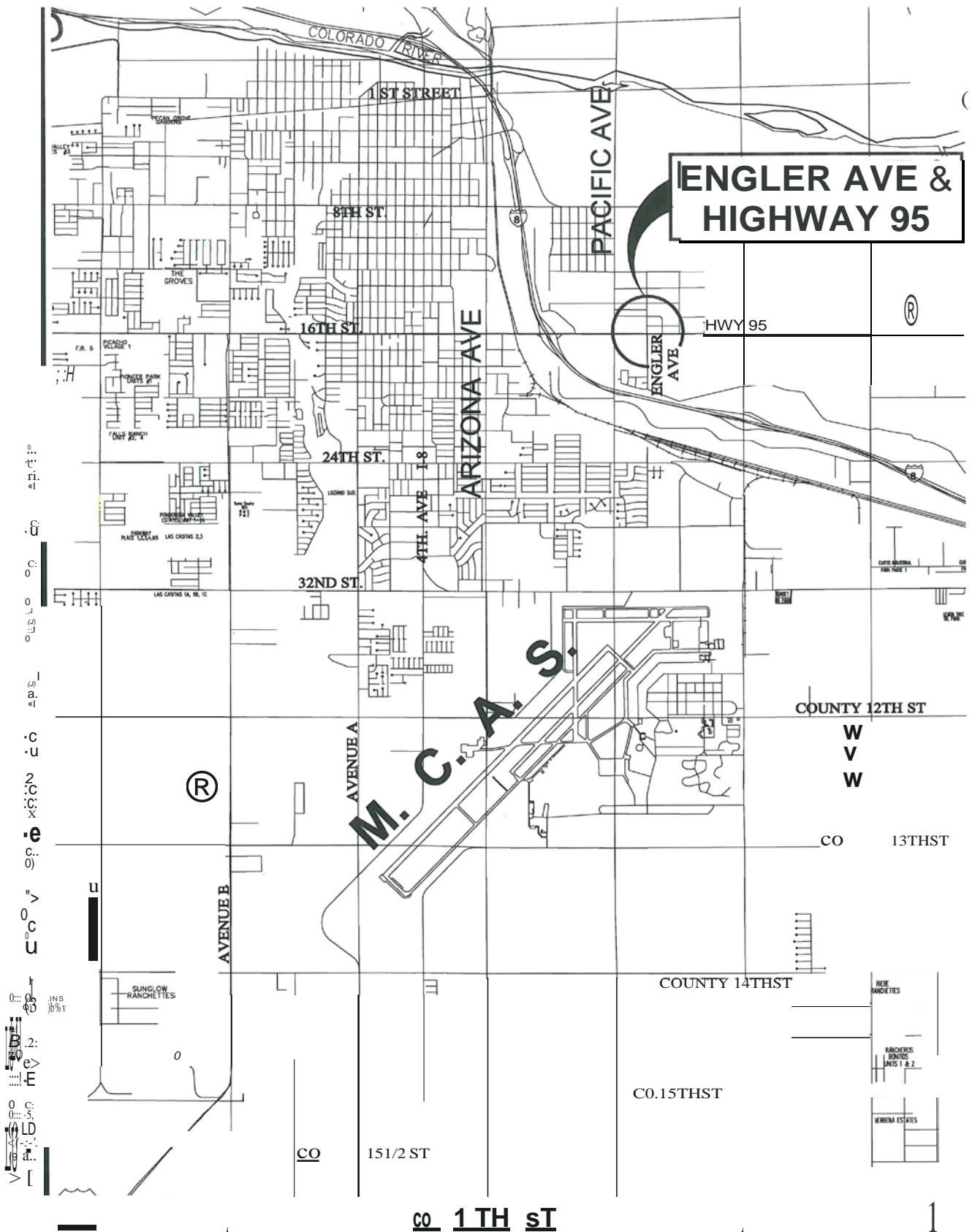
Email: _____

Phone: _____

Address _____

City: _____

State: _____ ZIP Code: _____



YUMA COUNTY DEPT. OF DEVELOPMENT SERVICES
ENGLER AVE & HIGHWAY 95
EXHIBIT "A"

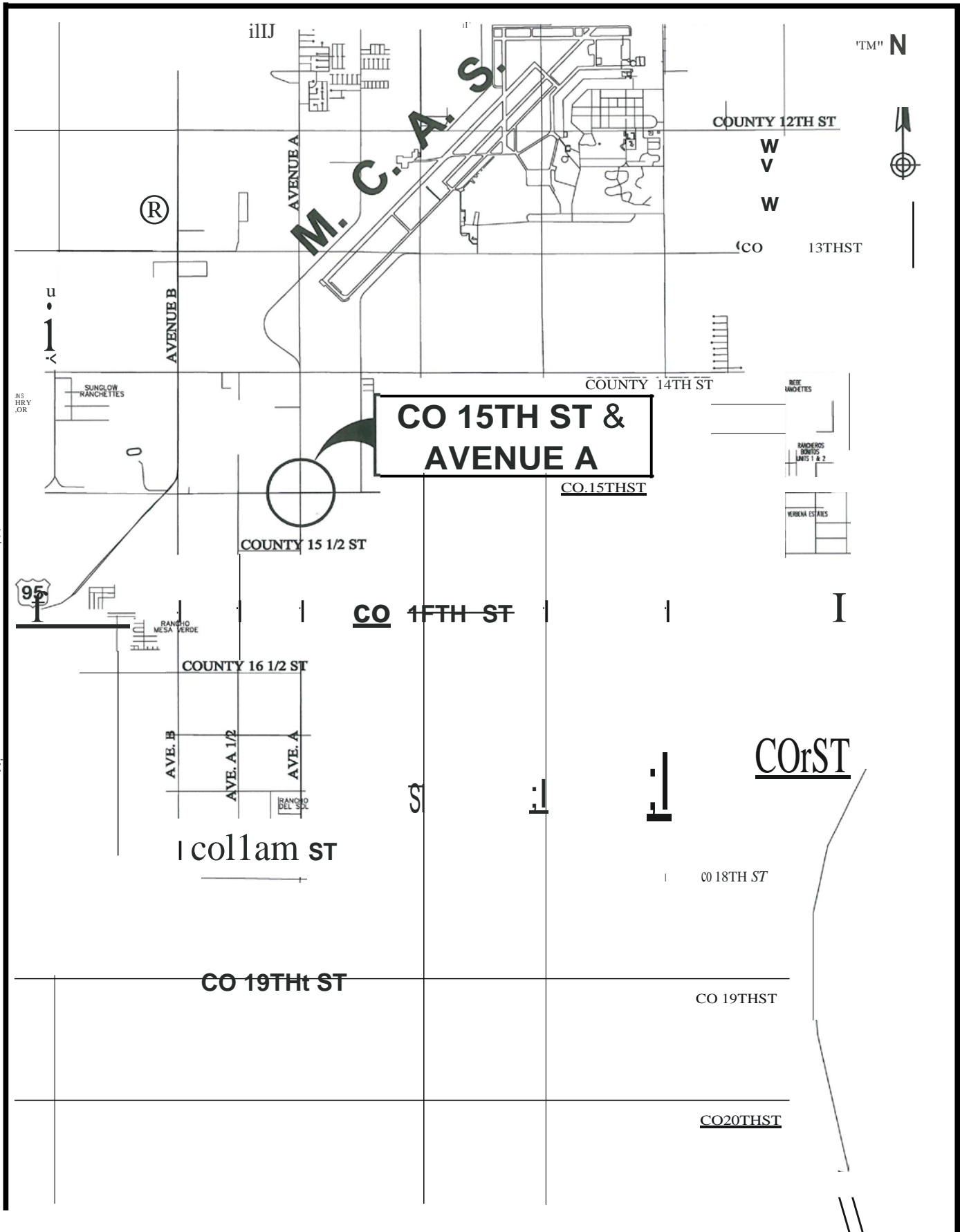
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YUMA COUNTY DEPT. OF DEVELOPMENT SERVICES
CO 15TH ST & AVENUE A

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EXHIBIT "B"

DATE: 01/18/18 rrh

